## DOT1L Protein, Human

MedChemExpress

Cat. No.:	HY-P75283
Synonyms:	Histone H3-K79 methyltransferase; H3-K79-HMTase; DOT1L; KIAA1814; KMT4
Species:	Human
Source:	E. coli
Accession:	NP_115871 (G2-K416)
Gene ID:	84444
Molecular Weight:	Approximately 50 kDa

PROPERTIES	
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM HEPES, 150 mM NaCl, 1 mM EDTA, 15% Glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION	
Background	The DOT1L protein, a histone methyltransferase, is responsible for methylating lysine-79 of histone H3. While it does not exhibit significant activity against free core histones, it demonstrates substantial histone methyltransferase activity against nucleosomes. This protein is broadly expressed, with notable levels found in tissues such as the testis, bone marrow, and 22 other tissues.

## Caution: Product has not been fully validated for medical applications. For research use only.

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA